INTEGRITY TESTING LABORATORIES

CLIENT:

Hardware Resources
4319 Marlena Street
Bossier City, LA 71111
Attention: Travis McElveen

LABORATORY NO: F1902131-2A
DATE: April 10, 2019
CLIENT P.O. email, J. Welborn
STANDARD: ANSI/BHMA A156.9-15

SAMPLE: 18" PUSH TO OPEN BALL BEARING DRAWER SLIDES, 303-200-18, TESTED WITH A 24 INCH WIDE DRAWER

ABSTRACT

This report serves to document the testing of the above samples to all applicable drawer test paragraphs of ANSI/BHMA 156.9-2015, American national standards for cabinet hardware. Test procedures include a drawer slide stop test, drawer removal and load placement test, drawer cycle testing and static edge load application. The remainder of this report will show how the drawer slides submitted for testing **met the requirements needed for conformance** to the standard.

PROCEDURES

All procedures were performed with strict adherence to the ANSI/BHMA A156.9 standard with one exception. The drawer test load was increased to **100 lbs**, instead of the 50 lb. minimum requirement. All procedures were performed with the reported test load.

RESULTS

LABORATORY DETERMINATION	LABORATORY OBSERVATION	ANSI/BHMA A156.9-15 GRADE 1 REQUIREMENT	TEST RESULT
Drawer removal and load placement BHMA section 4.11.2	The slides permitted complete drawer removal. Placement of loads did not cause removal or partial removal from the drawer's suspended position when operated.	Drawer slides shall permit complete drawer removal. Load placement shall not cause the drawer to be removed or partially removed from its suspended position during drawer operation.	**PASS**
Drawer slide stop test BHMA section 4.11.4.1	The stop position provided 27 lbs., or ten times the operating force.	The stop position shall provide at least ten times the normal drawer operating force.	**PASS**
Drawer cycle life test BHMA section 4.11.4.2	Drawer operated for a total of 50,000 cycles with a **100 lb.** test load. Drawer opening force = 2.7 lbs.	Drawer shall be cycled 2/3 of the total travel for 50,000 cycles with a 50 lb. test load. Drawer shall be completely operable after the performance of the test.	**PASS**
Drawer edge load test BHMA section 4.11.4.3	There was no structural breakage or loss of serviceability of the slide suspensions with an additional 75 lb. edge load applied	There shall be no failure of the slides with an additional 75 lb. mass applied to the drawer edge in the half-extended position.	**PASS**

CONCLUSION

During the execution of the testing program, the model **303-200-18** drawer slide suspension performed well with no structural breakage or failure with the above load. These samples submitted for testing **met all of the drawer slide test requirements and conform to ANSI/BHMA 156.9-2015 for Grade 1** products.

Respectfully submitted,

Edwin A. Leach, Laboratory Director,
INTEGRITY TESTING LABORATORIES